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APPROVAL PACKAGE FOR:

APPLICATION NUMBER

21-488

Microbiology Review(s)

Product Quality Microbiology Review

Review for HFD-580

12 Dec. 2002

NDA: **21-488-BZ**

Drug Product Name

Proprietary:

ELIGARD™ 30mg

Non-proprietary:

**Leuprolide Acetate for Injectable
Suspension**

Drug Product Classification:

Review Number: **2**

Subject of this Review

Submission Date:

November 15, 2002

Receipt Date:

November 18, 2002

Consult Date:

November 19, 1992

Date Assigned for Review:

December 2, 2002

Submission History (for amendments only)

Date(s) of Previous Submission(s):

April 13, 2002

Date(s) of Previous Micro Review(s):

November 27, 2002

Applicant/Sponsor

Name:

Atrix Laboratories Inc

Address:

2579 Midpoint Dr.

Fort Collins, CO 80525-4417

Representative:

Johanna Matz

Telephone:

970-482-5868.

Name of Reviewer:

Stephen E. Langille, Ph.D.

Conclusion:

Recommended for approval

Product Quality Microbiology Data Sheet

- A.**
- 1. TYPE OF SUPPLEMENT:** N/A
 - 2. SUPPLEMENT PROVIDES FOR:** N/A
 - 3. MANUFACTURING SITE:** /
 - 4. DOSAGE FORM, ROUTE OF ADMINISTRATION AND STRENGTH/POTENCY:**
 - Subcutaneous Injection
 - 30.0 mg
 - 5. METHOD(S) OF STERILIZATION:** /
 - 6. PHARMACOLOGICAL CATEGORY:** Palliative treatment for prostate cancer
- B. SUPPORTING/RELATED DOCUMENTS:**
The first review of NDA 21-488 was completed on 11-27-02. Reviews for NDA 21-379, 21-379-BZ and 21-379-AZ were completed on 5-15-02, 5-31-02, and 7-22-02 respectively. The Applicant also submitted NDA 21-488 amendment 5 on December 10, 2002 to clarify the nature of the container/closure system used for the various ELIGARD® products.
- C. REMARKS:** NDA 21-379 was submitted in support of the 22.5 mg dosage of ELIGARD. This dosage is also manufactured at ' — ' and uses the same 2-syringe container system as the 30 mg dosage (subject of this review). The microbiology information provided amendment 21-488-BZ is in response to the written comments provided for the review of NDA 21-379

filename: c:\reviews\21-488r2

Executive Summary

1. Recommendations

A. Recommendation on Approvability -

NDA 21-488-BZ is recommended for approval from the standpoint of microbial product quality.

B. Recommendations on Phase 4 Commitments and/or Agreements, if Approvable -

II. Summary of Microbiology Assessments

A. Brief Description of the Manufacturing Processes that relate to Product Quality Microbiology -

The drug product is packaged in two separate syringes and mixed prior to injection. Syringe A contains the ATRIGEL delivery system and syringe B contains leuprolide acetate.

Syringe A and its contents are [REDACTED]
[REDACTED] Syringe B is [REDACTED] with leuprolide acetate

B. Brief Description of Microbiology Deficiencies -

No deficiencies were identified based upon the information provided.

C. Assessment of Risk Due to Microbiology Deficiencies -

III. Administrative

A. Reviewer's Signature _____

B. Endorsement Block

Stephen E. Langille, Ph.D.
Peter Cooney, Ph.D.

C. CC Block

In DFS

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/s/

**Stephen Langille
12/18/02 04:00:12 PM
MICROBIOLOGIST**

**Peter Cooney
12/18/02 04:09:00 PM
MICROBIOLOGIST**

Product Quality Microbiology Review

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